

JPW

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

OZGUR

Atty. Ref.: **2672-45**

Serial No. **10/663,983**

Group: **2823**

Filed: **September 17, 2003**

Examiner: **Pham, Thanh V.**

For: **INTEGRATED ELECTROMECHANICAL SWITCH
AND TUNABLE CAPACITOR AND METHOD OF MAKING
THE SAME**

05/20/2005 LWONDIH1 00000010 141140 10663983

May 18, 2005

01 FC:1464 130.00 DA

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

The PTO did not have the following
listed item(s) checked 07/13/05

**REQUEST TO AMEND INVENTORSHIP
PURSUANT TO PROVISIONS OF 37 C.F.R. §1.48(a)**

Sir:

Pursuant to the provisions of 37 C.F.R. §1.48(a)(1), a request is hereby made to amend the inventorship in U.S. Application Serial No. 10/663,983 ("the '983 application") to name Mona Zaghloul of Bethesda, Maryland, as a joint inventor in the '983 application with Mehmet Ozgur, currently the only named inventor in the '983 application.

Pursuant to the provisions of 37 C.F.R. §1.48(a)(2) and (a)(5), submitted in support of this Request are the statements of (1) Mona Zaghloul ("Attachment 1") that the inventorship error of failing to include her as a joint inventor in the '983 application occurred without any deceptive intention on her part, and (2) the Corporation for National Research Initiatives ("Attachment 2"), the assignee and owner of one hundred percent ("100%") of all right, title and interest in and to the '983 application, that it agrees to the change of inventorship in the '983 application. Also submitted with this Request is a declaration, as required by 37 C.F.R. §1.63,

05/19/2005 JADD01 00000077 141140 10633663

01 FC:1464 130.00 DA

Adjustment date: 05/20/2005 LWONDIH1
05/19/2005 JADD01 00000077 141140 10633663
01 FC:1464 130.00 CR

OZGUR
Serial No. 10/663,983
Page 2

by the actual inventors, *i.e.*, Mehmet Ozgur, currently the only named inventor in the '983 application; and Mona Zaghoul, the inventor to be added in this application ("Attachment 3").

Also submitted with this Petition is a check in the amount of \$130.00 for the processing fee specified in 37 C.F.R. §§1.48(a)(4) and 1.17(i). The Commissioner is hereby authorized to charge any deficiency, or credit any overpayment, in the fee(s) filed, or asserted to be filed, or which should have been filed herewith (or with any paper hereafter filed in this matter by this firm) to our Account No. 14-1140.

Respectfully submitted,
NIXON & VANDERHYE P.C.

By: Robert A. Molan
Robert A. Molan
Reg. No. 29,834

RAM:drt
1100 North Glebe Road, 8th Floor
Arlington, VA 22201-4714
Telephone: (703) 816-4000
Facsimile: (703) 816-4100

ASSIGNMENT

WHEREAS, **The George Washington University**, having an office and place of business at 2100 Pennsylvania Avenue, N.W., Suite 250, Washington, D.C. 20052, (hereinafter ASSIGNOR), is the owner of an undivided interest in and to a certain invention entitled **INTEGRATED ELECTROMECHANICAL SWITCH AND TUNABLE CAPACITOR AND METHOD OF MAKING THE SAME**, for which an application for Letters Patent of the United States, No. 10/663,983, was filed on September 17, 2003;

AND WHEREAS, the **Corporation For National Research Initiatives**, (hereinafter ASSIGNEE), having an office and place of business at 1895 Preston White Drive, Suite 100, Reston, VA 20191-5434, is desirous of acquiring all of Assignor's interest therein.

WHEREAS, ASSIGNOR is desirous of assigning its undivided interest therein to ASSIGNOR;

NOW, THEREFORE, in consideration of Ten Dollars (\$10.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNOR by these presents hereby sells, assigns, and transfers unto ASSIGNEE, its successors, assigns, and legal representatives, its entire right, title and interest in and to the said invention described and claimed in the aforesaid application, the said application corresponding thereto, any patents issuing from the said application,

Assignment

Application Serial No. 10/147,300

Patent No. US 6,800,912 B2.

Page 2

and all continuations, divisions, reissues, reexaminations, extensions, and foreign

counterparts of the said application and/or any patents issuing therefrom, together with

the right of priority under the International Convention for the Protection of Industrial

Property, Inter-American Convention Relating to Patents, Designs and Industrial Models,

and any other international agreements to which the United States of America adheres,

and hereby authorizes and requests the Commissioner of Patents and Trademarks to issue

said Letters Patent to ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns,

and legal representatives.

I am authorized to execute this ASSIGNMENT on behalf of ASSIGNOR.

Executed this 21 day of April, 2005.

The George Washington University

By: 

Name: Louis H. Katz

Title: Executive Vice President and Treasurer

[SEAL]

~~Attest~~ Witness


Secretary

LINDA SCHUTTER
Associate General Counsel

The District of Columbia

ss

On this the 21 day of April, 2005, before me personally appeared Louis H.

Katz, who acknowledged himself/herself to be the Executive Vice President and

Treasurer of The George Washington University, a corporation, and that, by authority of

Assignment

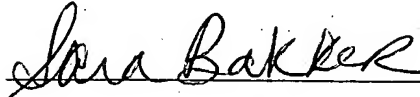
Application Serial No. 10/147,300

Patent No. US 6,800,912 B2.

Page 3

the board, he/she executed the instrument for the purposes stated in it by signing the name of the corporation by himself/herself as Executive Vice President and Treasurer.

In witness whereof I hereunto set my hand and the seal of my office.



(SEAL)

Sara A. Bakker
Notary Public, District of Columbia
My Commission Expires 11-30-2009



**REPLACEMENT RULE 63 (37 C.F.R. 1.63)
INVENTORS DECLARATION FOR PATENT APPLICATION
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

As a below named inventor, I hereby declare that my residence, post office address and citizenship are as stated below next to my name, and I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

INTEGRATED ELECTROMECHANICAL SWITCH AND TUNABLE CAPACITOR AND METHOD OF MAKING THE SAME

the specification of which (check applicable box(es)):

- ☐ is attached hereto
☒ was filed on September 17, 2003 as U.S. Application Serial No. 10/663,983 (Atty. Dkt. No. 2672)
☐ was filed as PCT International application No. on
 and (if applicable to U.S. or PCT application) was amended on

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with 37 C.F.R. 1.56. I hereby claim foreign priority benefits under 35 U.S.C. 119/365 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed or, if no priority is claimed, before the filing date of this application:

Priority Foreign Application(s):

Application Number	Country	Day/Month/Year Filed
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I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional application(s) listed below.

Application Number	Date/Month/Year Filed
60/291,423	18/5/01

I hereby claim the benefit under 35 U.S.C. 120/365 of all prior United States and PCT international applications listed above or below and, insofar as the subject matter of each of the claims of this application is not disclosed in such prior applications in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose material information as defined in 37 C.F.R. 1.56 which occurred between the filing date of the prior applications and the national or PCT international filing date of this application:

Prior U.S./PCT Application(s):

Application Serial No.	Day/Month/Year Filed	Status: patented pending, abandoned
10/147,300	17/05/02	Patented

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon. And on behalf of the owner(s) hereof, I hereby ask that all communications in this matter be directed to: NIXON & VANDERHYE P.C., 1100 North Glebe Rd., 8th Floor, Arlington, VA 22201-4714, telephone number (703) 816-4000.

- Inventor's Signature: X Mehmet Ozgur Date: X 4/26/2005
 Inventor: Mehmet (first) MI Ozgur (last) Turkish (citizenship)
 Residence: (city) Reston (state/country) VA
 Post Office Address: 2002 Colts Neck Road, #11A, Reston, VA 20191
 (Zip Code) 20191
- Inventor's Signature: X _____ Date: X _____
 Inventor: Mona (first) E. Zaghloul (last) U.S. (citizenship)
 Residence: (city) Bethesda (state/country) MD
 Post Office Address: 7121 Arrowood Road, Bethesda, MD
 (Zip Code) 20817

FOR ADDITIONAL INVENTORS, check box ☐ and attach sheet with same information and signature and date for each.



**REPLACEMENT RULE 63 (37 C.F.R. 1.63)
INVENTORS DECLARATION FOR PATENT APPLICATION
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

As a below named inventor, I hereby declare that my residence, post office address and citizenship are as stated below next to my name, and I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

INTEGRATED ELECTROMECHANICAL SWITCH AND TUNABLE CAPACITOR AND METHOD OF MAKING THE SAME

the specification of which (check applicable box(es)):

- ☐ is attached hereto
☒ was filed on September 17, 2003 as U.S. Application Serial No. 10/663,983 (Atty. Dkt. No. 2672)
☐ was filed as PCT International application No. on
 and (if applicable to U.S. or PCT application) was amended on

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with 37 C.F.R. 1.56. I hereby claim foreign priority benefits under 35 U.S.C. 119/365 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed or, if no priority is claimed, before the filing date of this application:

Priority Foreign Application(s):

Application Number	Country	Day/Month/Year Filed
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I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional application(s) listed below.

Application Number	Date/Month/Year Filed
60/291,423	18/5/01

I hereby claim the benefit under 35 U.S.C. 120/365 of all prior United States and PCT international applications listed above or below and, insofar as the subject matter of each of the claims of this application is not disclosed in such prior applications in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose material information as defined in 37 C.F.R. 1.56 which occurred between the filing date of the prior applications and the national or PCT international filing date of this application:

Prior U.S./PCT Application(s):

Application Serial No.	Day/Month/Year Filed	Status: patented pending, abandoned
10/147,300	17/05/02	Patented

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon. And on behalf of the owner(s) hereof, I hereby ask that all communications in this matter be directed to: NIXON & VANDERHYE P.C., 1100 North Glebe Rd., 8th Floor, Arlington, VA 22201-4714, telephone number (703) 816-4000.

- Inventor's Signature: X Date: X

Inventor: Mehmet Ozgur Turkish
(first) (last) (citizenship)
MI VA
Residence: (city) Reston (state/country)
Post Office Address: 2002 Colts Neck Road, #11A, Reston, VA 20191
(Zip Code) 20191
- Inventor's Signature: X *M. Zaghoul* Date: X 4/18/05

Inventor: Mona E. Zaghoul U.S.
(first) (last) (citizenship)
MI MD
Residence: (city) Bethesda (state/country)
Post Office Address: 7121 Arrowood Road, Bethesda, MD
(Zip Code) 20817

FOR ADDITIONAL INVENTORS, check box ☐ and attach sheet with same information and signature and date for each.



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

OZGUR

Atty. Ref.: 2672-45

Serial No. 10/663,983

TC/A/U.: 2823

Filed: September 17, 2003

Examiner: Pham, Thanh V.

For: INTEGRATED ELECTROMECHANICAL SWITCH AND
TUNABLE CAPACITOR AND METHOD OF MAKING THE
SAME

* * * * *

May 18, 2005

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

INFORMATION DISCLOSURE STATEMENT

- | | | |
|-------------------------------------|--|----------|
| <input checked="" type="checkbox"/> | 1. PTO-1449 Pursuant to 37 CFR 1.97(b)
[within 3 months of filing or prior to 1st Office Action] | N/C |
| <input type="checkbox"/> | 2. Statement Pursuant to 37 CFR 1.97(c)
[before Final Office Action and Allowance] | N/C |
| <input type="checkbox"/> | 3. Fee Payment Pursuant to 37 CFR 1.97(c)
[before Final Office Action and Allowance] | \$180.00 |
| <input type="checkbox"/> | 4. Pursuant to 37 CFR 1.97(d)
[before Issue Fee payment] | \$180.00 |

The following are submitted in the above-identified application in compliance with 37 C.F.R. §§ 1.97 and 1.98:

- | | |
|-------------------------------------|--|
| <input checked="" type="checkbox"/> | 5. A list of documents on Form PTO-1449 together with copies of each identified document and a translation or a concise explanation of each non-English language document (or foreign search report) is enclosed herewith. |
|-------------------------------------|--|

This paper is submitted in accordance with:

- ☒ 6. 37 CFR 1.97(b): [within 3 months of filing or prior to 1st Office Action]
- ☐ 7. 37 CFR 1.97(c): [before Final Office Action and Allowance, whichever is earlier]; and
 - ☐ a) The required Statement made in item 9 below; or
 - ☐ b) The \$180.00 fee specified in 37 CFR §1.17(p) for submission of this Information Disclosure Statement is authorized in item 10 below.
- ☐ 8. 37 CFR §1.97(d): [before issue fee payment]; and
 - ☐ a) The fee (\$180.00) required by 37 CFR §1.17(p) is authorized in item 10 below; and
 - ☐ b) The required Statement is stated in item 9 below.
- ☐ 9. Statement under 37 CFR 1.97(e)
 - ☐ a) The undersigned attorney of record hereby certifies under 37 C.F.R. §1.97(e) that each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement (each item contained in this IDS was the first citation of that item by a foreign patent office in a counterpart foreign application which occurred no more than three months prior to the filing of this IDS); or
 - ☐ b) No item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing this Statement, after making reasonable inquiry, no item of information contained in this Statement was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this Information Disclosure Statement.

Ozgur
Serial No. 10/663,983

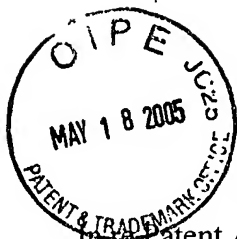
- ☒ 10. Please charge all applicable fees associated with the submission of this Information Disclosure Statement and any other fees applicable to this application to Deposit Account No. 14-1140. An original and one (1) copy of this document are enclosed.

Respectfully submitted,

NIXON & VANDERHYE P.C.

By: Robert A. Molan
Robert A. Molan
Reg. No. 29,834

RAM/dbp
11TH FLOOR
901 NORTH GLEBE ROAD
ARLINGTON, VIRGINIA 22203-1808
(703) 816-4000



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

OZGUR

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AND TUNABLE CAPACITOR AND METHOD OF
MAKING THE SAME**


Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

**STATEMENT OF MONA ZAGHLOUL IN
SUPPORT OF REQUEST TO AMEND
INVENTORSHIP UNDER 37 C.F.R. §1.48(a)**

Sir:

I, Mona Zaghloul, hereby state in support of the Request to Amend Inventorship Under 37 C.F.R. §1.48(a), submitted herewith, to correct the inventorship in U.S. Application Serial No. 10/663,983 ("the '983 application"), filed September 17, 2003, to include me as a joint inventor of the '983 application, that the inventorship error of failing to include me as a joint inventor in the '983 application occurred without any deceptive intention on my part.

Date: 4/18/04


Mona Zaghloul



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

OZGUR

Atty. Ref.: **2672-45**

Serial No. **10/663,983**

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MAKING THE SAME**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

**STATEMENT OF CORPORATION FOR NATIONAL
RESEARCH INITIATIVES IN SUPPORT OF REQUEST
TO AMEND INVENTORSHIP UNDER RULE 37 C.F.R. §1.48(a)**

Sir:

The Corporation for National Research Initiatives, the assignee and owner of one hundred percent ("100%") of all right, title and interest in and to Application Serial No. 10/663,983, filed September 17, 2003 ("the '983 application"), as evidenced by the copy of an assignments attached hereto as Attachment A, in support of the Request to Amend Inventorship Under 37 C.F.R. §1.48(a), submitted herewith, to correct the inventorship in the '983 patent application to include Mona Zaghloul as a joint inventor with Mehmet Ozgur, states that it agrees to such amendment of inventorship in the '983 application.

The Corporation for National Research Initiatives

Date:

5/6/05

By:

Name:

Robert E. Kahn

Title:

President

OZGUR

Serial No. 10/663,983

Page 2

I, Robert E. Kahn, the President and CEO of Corporation for National Research Initiatives, the assignee of U.S. Application Serial No. 10/663,983, hereby state that I am authorized to act on behalf of Corporation for National Research Initiatives.

Date: 5/6/05


Robert E. Kahn



ASSIGNMENT OF U.S. PATENT APPLICATION

Mehmet Ozgur

(Assignee)

CORPORATION FOR NATIONAL RESEARCH INITIATIVES, of

(Address)

1895 Preston White Drive, Suite 100, Reston, VA 20191-5434

(Title)

(hereinafter designated as the Assignee) the undersigned's entire right, title and interest for the United States, its territories, dependencies and possessions in the invention, and all applications for patent and any Letters Patent which may be granted therefore, known as **INTEGRATED ELECTROMECHANICAL SWITCH AND TUNABLE CAPACITOR AND METHOD OF MAKING THE SAME**

for which the undersigned has (have) executed on even date herewith an application for patent in the United States of America or, if not on even date, then has executed on _____ or has already filed U.S. appln. Serial No. _____

No 10/663,983on September 17, 2003

The undersigned acknowledges an obligation of assignment of this invention to said assignee at the time the invention was made.

The undersigned agree(s) to execute all papers and documents necessary in connection with the application or any interference which may be declared and any continuing or divisional applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient and further to perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from said application or any division or divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the firm of NIXON & VANDERHYE P.C. the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent Office for recordation of this document. It is understood and agreed that ASSIGNEE'S attorneys Nixon & Vanderhye P.C. have represented only ASSIGNEE and will continue to represent only ASSIGNEE with respect to this invention.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned signature(s).

Date X 1/30/04

Signature of inventor

X Mehmet Ozgur
Mehmet Ozgur

Date _____

Signature of inventor

Date _____

Signature of inventor

Date _____

Signature of inventor

Date _____

Signature of inventor

Witnessed by: X [Signature]Date X 1/27/04Witnessed by: X [Signature]Date X 1/30/04

ASSIGNMENT**(Inventors)** Mona Zaghloul**(Assignee)****(Address)****(Title)**

In consideration of the sum of one dollar (\$1.00) and other good and valuable considerations paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to

The George Washington University, of2100 Pennsylvania Avenue, N.W., Suite 250, Washington, D.C. 20052

(hereinafter designated as the Assignee) the undersigned's entire right, title and interest for the United States, its territories, dependencies and possessions in the invention, and all applications for patent and any Letters Patent which may be granted therefore, known as **INTEGRATED ELECTROMECHANICAL SWITCH AND TUNABLE CAPACITOR AND METHOD OF MAKING THE SAME**

for which the undersigned has (have) executed on even date herewith an application for patent in the United States of America or, if not on even date, then has executed on _____ or has already filed U.S. appln. Serial No.

No 10/663,983on September 17, 2003

The undersigned acknowledges an obligation of assignment of this invention to said assignee at the time the invention was made.

The undersigned agree(s) to execute all papers and documents necessary in connection with the application or any interference which may be declared and any continuing or divisional applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient and further to perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from said application or any division or divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the firm of NIXON & VANDERHYE P.C. the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent Office for recordation of this document. It is understood and agreed that ASSIGNEE'S attorneys Nixon & Vanderhye P.C. have represented only ASSIGNEE and will continue to represent only ASSIGNEE with respect to this invention.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned signature(s).

Date X 4/18/05 Signature of inventorXMona Zaghloul

Witnessed by:

XCarol LeglerDate X4-18-05

Witnessed by:

XChandra B. BenDate X4/18/05